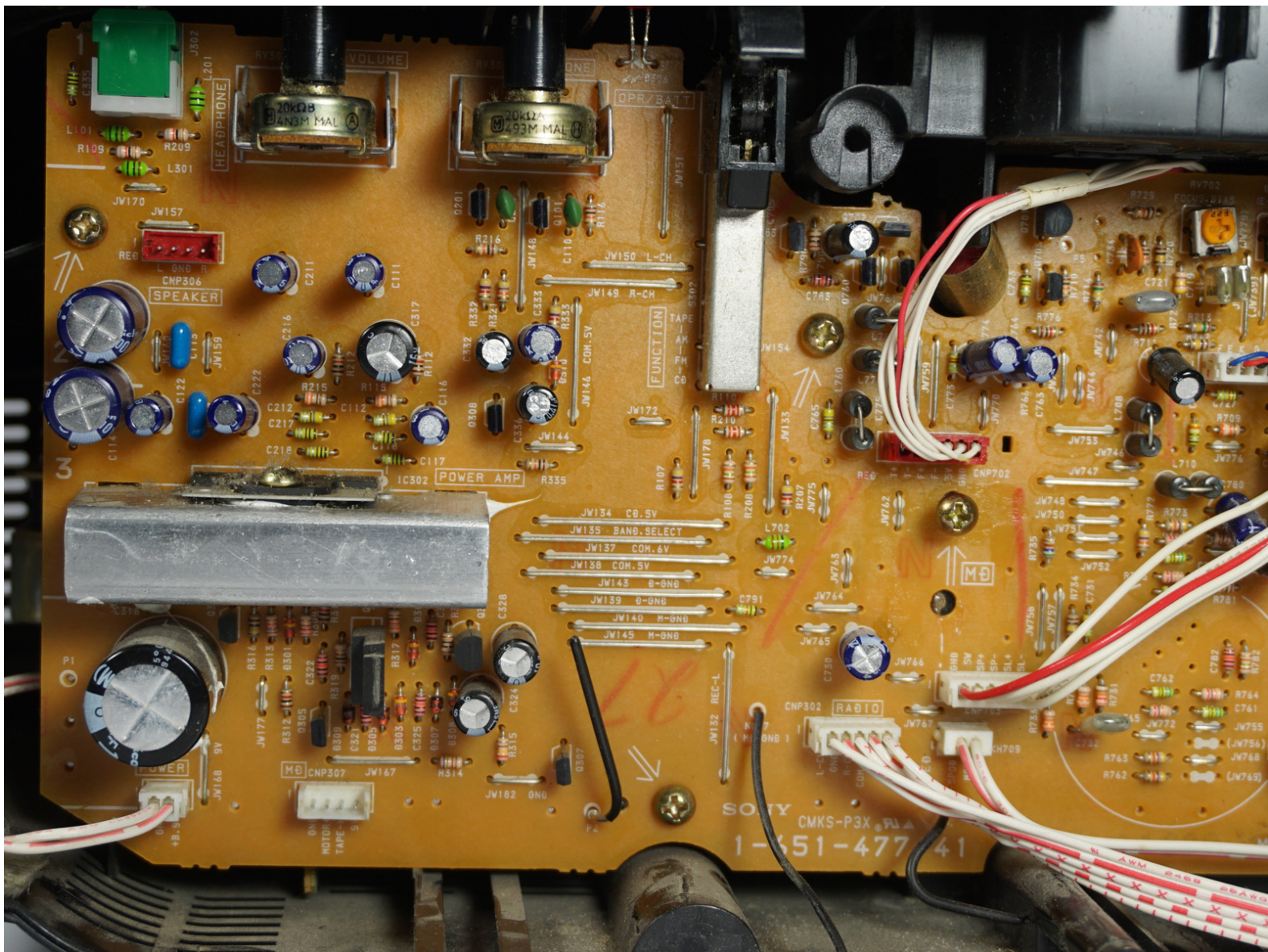




# Sony CFD-8 Main Circuit Board Replacement

This guide will provide the steps needed to remove the main circuit board from the Sony CFD-8 boombox.

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## INTRODUCTION

Removing the main circuit board requires a Phillips #1 screwdriver with at least a 15cm shaft as well as a Phillip #0 screwdriver, (regular size). Make sure that there is no power source, plug in or batteries, within the boombox before starting the procedure.

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### TOOLS:


- Flashlight (1)
  - Phillips 2 Screwdriver with a 15cm or larger shaft (1)
  - Phillips #0 Screwdriver (1)
  - Tweezers (1)
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## Step 1 — Battery



- Remove the cover for the battery compartment on the back of the boombox by applying downward pressure to the two clamps.

 Be sure to unplug the boombox from the wall before attempting to open it for repair.

## Step 2



- Using your fingers, push against the positive end of each battery. Once it is loose, lift the battery out.
- ☑ The top row of batteries have the positive side pointing right. The bottom row of batteries have the positive side pointing left.

## Step 3 — Front Panel



- Hold the boombox handle at an angle to access the screws behind the CD player.
- Unscrew the top two 14mm screws with a 14cm Phillips #1 screwdriver. You may need a flashlight to see the screws.

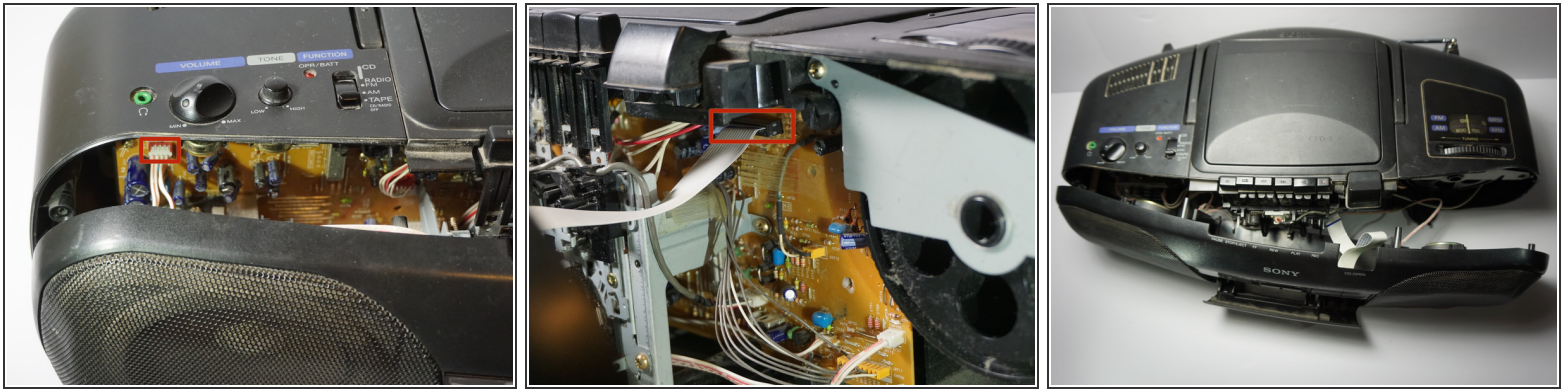
## Step 4



- Remove four 14mm screws using a 14cm Phillips #1 screwdriver. Two of these screws are at the bottom of the boombox and the other two are on either side of the boombox.
- All four screws have black arrows (not visible in the photo) indicating their location on the boombox.

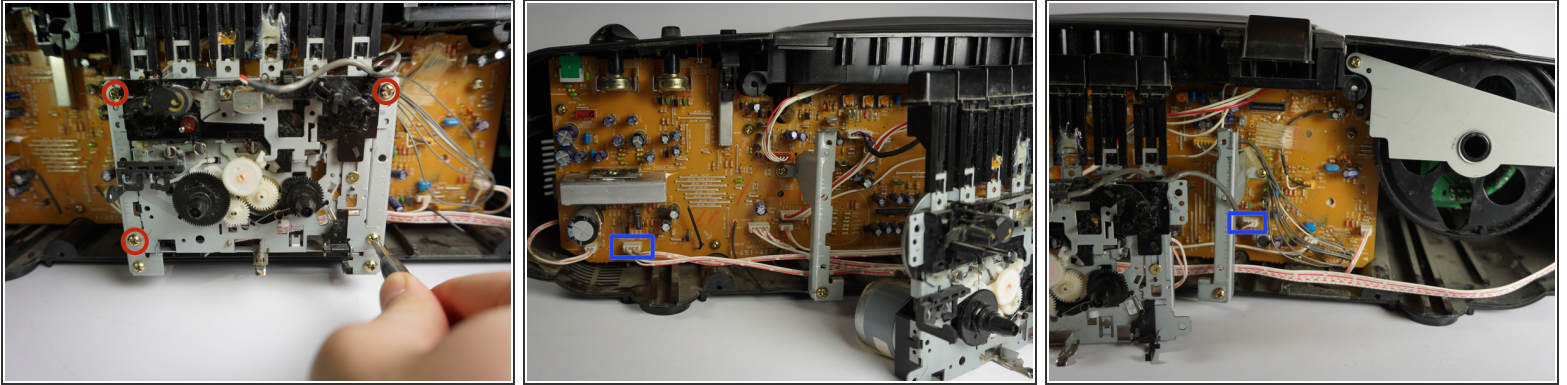


## Step 5



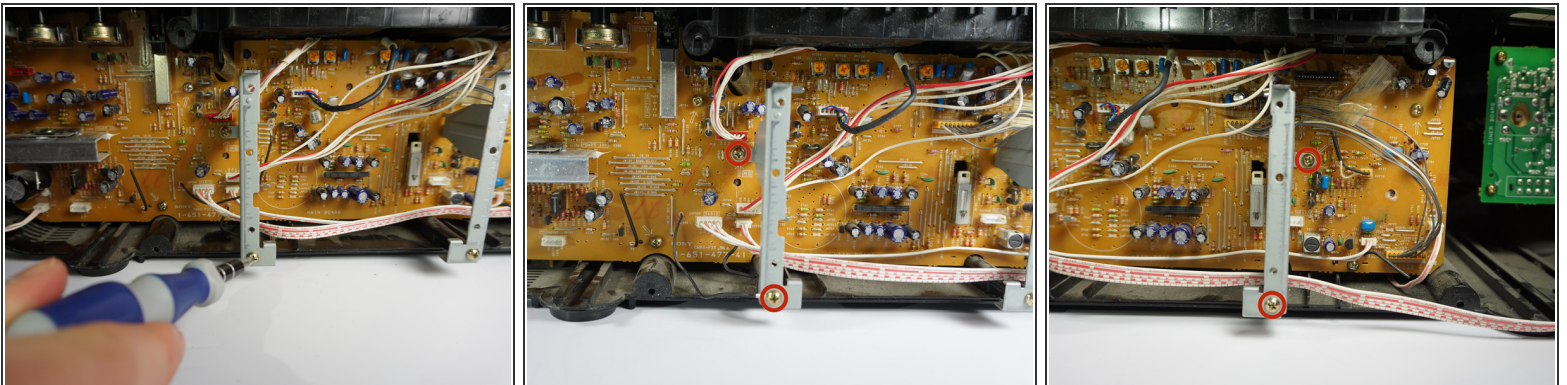
- Gently separate the front panel from the back panel.
- Remove the two connections connecting the front panel to boombox.
  - One is located on the upper lefthand side of the main circuit board.
  - The other is a large white strip slightly to the right of the cassette player.
- ⚠ Do not touch the cylindrical parts on the circuit board. These are capacitors and may deliver a shock!
- Remove the front panel.

## Step 6 — Main Circuit Board



- Unscrew the four 12 mm screws that connect the cassette motor to the brackets with a Phillips #1 screwdriver.
- Wiggle the cassette motor to remove it from the two brackets. (Do not remove completely. Simply separate the motor from the two brackets).
- Remove the two wire sets that connect the cassette motor to the main circuit board.
- Completely remove the cassette motor.

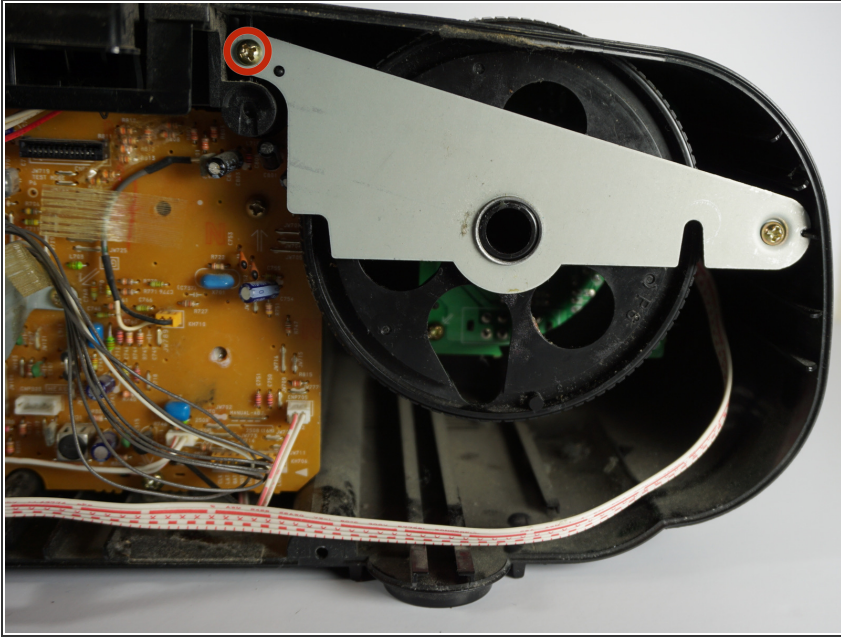
## Step 7



- Unscrew the four 12mm screws that connect the brackets to the main circuit board with a Phillips #1 screwdriver
- Gently pull on the brackets to remove them.



## Step 8



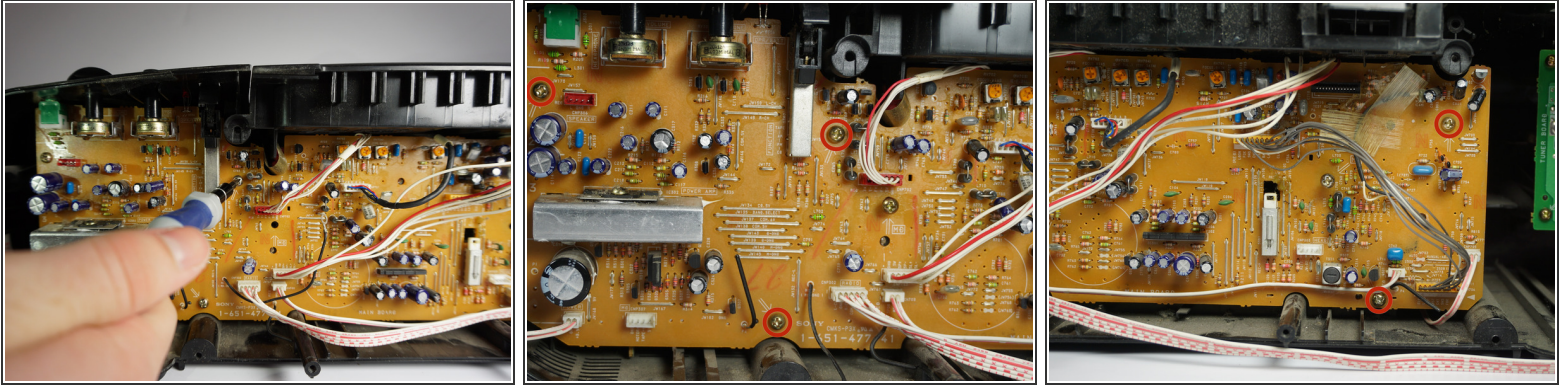
- Unscrew the 10 mm screw located on the top left of the tuner wheel bracket with a Phillips #1 screwdriver.
- Separate tuner wheel bracket from tuner wheel.

## Step 9



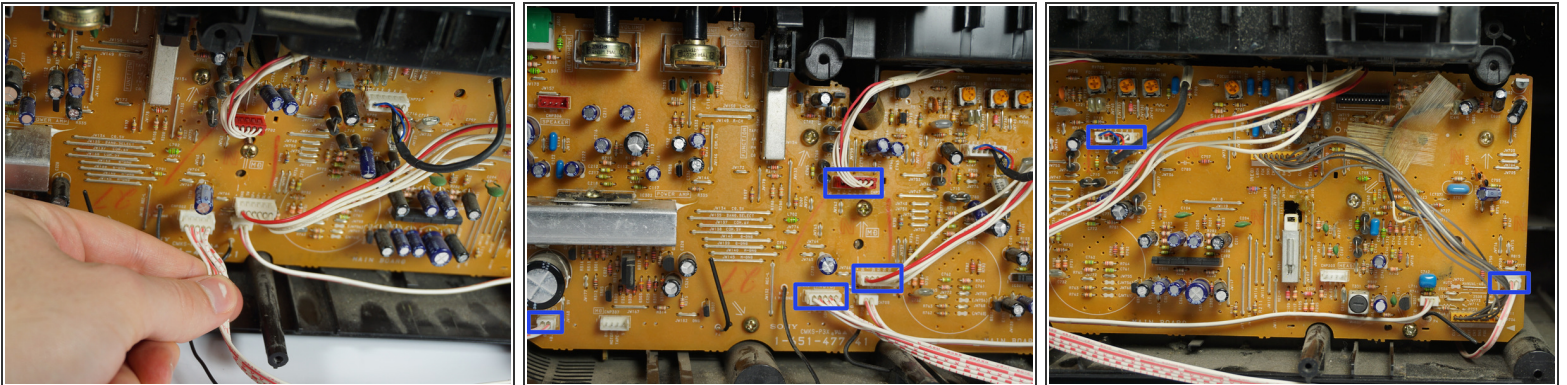
- Unscrew the 6mm screw in the center of the tuner wheel with a Phillip #0 screwdriver.
- Remove tuner wheel.
- ⓘ The tuner wheel protrudes out of the base of the boombox slightly. Be mindful of this when removing tuner wheel.

## Step 10



- Unscrew the five 10mm screws located on the main circuit board with a Phillips #1 screwdriver.
- ⓘ Note the second picture contains the left half of the main circuit board. The third picture contains the right half.

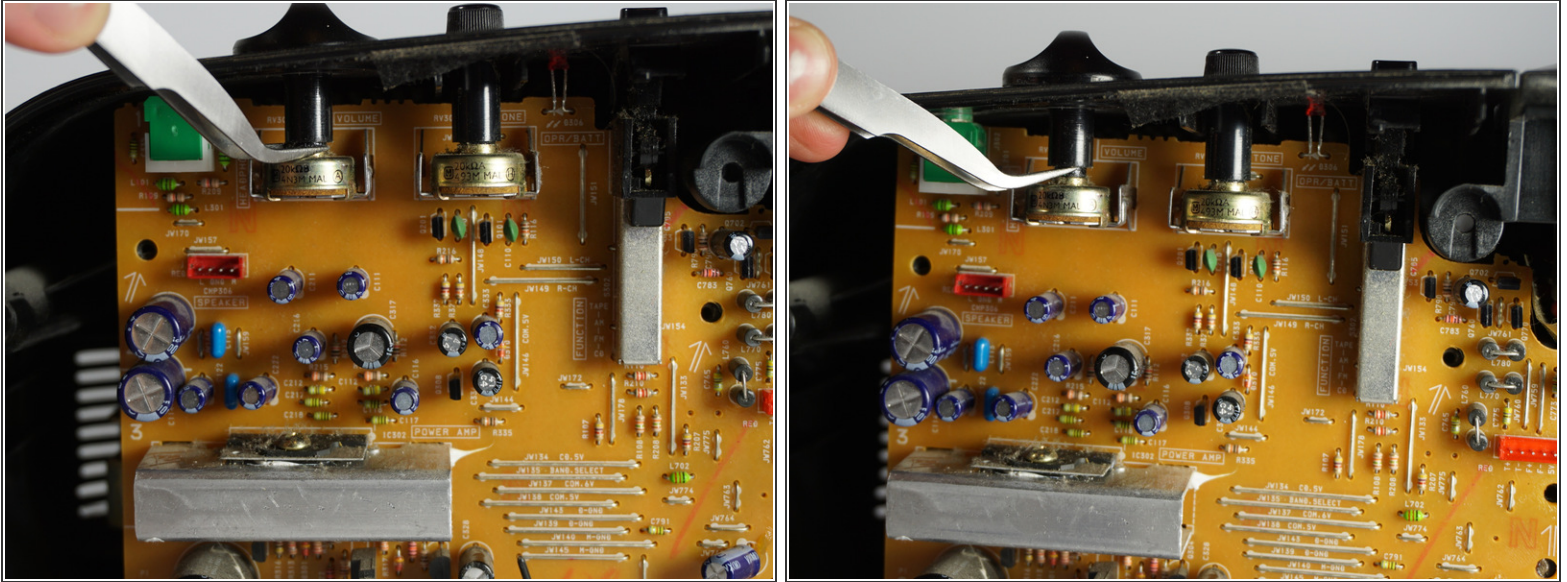
## Step 11



- Disconnect the six wire sets that connect to the main circuit board. Each of the wires have 3-6 prongs.
- ⓘ The order of removal is not important.
- ⓘ Note the second picture contains the left half of the main circuit board. The third picture contains the right half.
- ⓘ In reference to reassembly, the connection for each set of wires is a different size. Use these size differences to figure out where to reconnect each wire

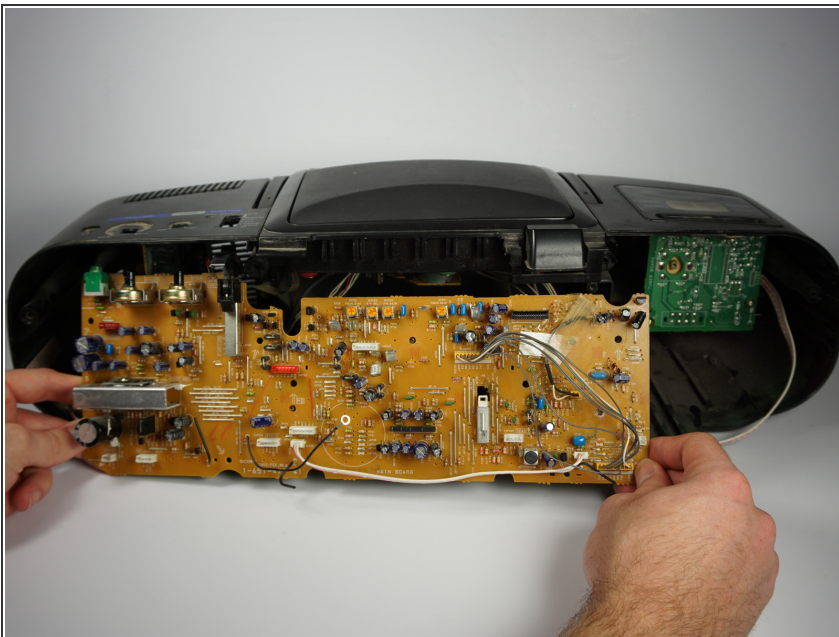


## Step 12



- Use a tweezer to pop off the volume and tuner button located on the top left of the boombox.
- ❗ Pop off the buttons by placing the tweezers under the button as shown in the first picture. Then proceed to push upwards till the button pops off.

## Step 13



- Gently wiggle and pull the main circuit board till it is fully removed.
- ⚠ Be mindful of that the mode tuner on the top left of the circuit board and the tuner wheel might be slightly in the way during removal.

To reassemble your device, follow these instructions in reverse order.

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